

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------------------|------------------|---------|---------------------|
| S2 | 2 | "10564874" | US PGPUB; USPAT | ADJ | ON | 2008/08/27 10:26 |
| S3 | 4 | suture prosthetic material | US-PGPUB; DERWENT | ADJ | ON | 2008/08/27 10:26 |
| S5 | 2 | "2004010566" | JPO | ADJ | ON | 2008/08/27 10:37 |
| S6 | 1 | jp-2004010566-\$ did. | DERWENT | ADJ | ON | 2008/08/27 10:49 |
| S7 | 1 | WO-2004010566-\$ did. | DERWENT | ADJ | ON | 2008/08/27 10:54 |
| S8 | 1 | JP-2004010566-A\$ | DERWENT | ADJ | ON | 2008/08/27 10:57 |
| S9 | 21 | (material or fabric or sheet) with projection same suture same (device or machine) | USPAT | ADJ | ON | 2008/09/02 15:01 |
| S10 | 45 | (material or fabric or sheet) with projection same suture same (device or machine) | US-PGPUB; USPAT | ADJ | ON | 2008/09/02 15:02 |
| S11 | 1 | "6063097".pn. | US-PGPUB; USPAT | ADJ | ON | 2008/09/02 15:04 |
| S12 | 1 | "5618290".pn. | US-PGPUB; USPAT | ADJ | ON | 2008/09/02 15:07 |
| S14 | 403 | "28".clas. and projection | USPAT | ADJ | ON | 2008/09/02 15:10 |
| S16 | 4 | "28".clas. and projection with load\$3 | USPAT | ADJ | ON | 2008/09/02 15:11 |
| S21 | 3944 | gunze | JPO; DERWENT | ADJ | ON | 2008/09/02 15:58 |
| S22 | 0 | gunze and "20000303". pd. | JPO; DERWENT | ADJ | ON | 2008/09/02 15:59 |

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|-----|-----|---|--|-----|----|---------------------|
| S23 | 24 | US-2495623-\$ DID. OR US-2495612-\$ DID. OR US-1234567-\$ DID. OR US-5814057-\$ DID. OR US-6063097-\$ DID. OR US-5263629-\$ DID. OR US-5503638-\$ DID. OR US-5441299-\$ DID. OR US-5542594-\$ DID. OR JP-1234567-\$ DID. OR JP-200170433-\$ DID. OR JP-9308635-\$ DID. OR JP-3237750-\$ DID. OR JP-3237749-\$ DID. OR JP-2004147902-\$. DID. OR JP-2604025-\$. DID. OR JP-3136392-\$. DID. OR JP- 2000316963-\$ DID. OR JP-3040930-\$ DID. OR JP-1996299427-\$ DID. | US-PGPUB; USPAT; USOOR; JPO; DERWENT | ADJ | ON | 2008/09/02 16:09 |
| S24 | 7 | (projection or tab) with pull same suture | JPO; DERWENT | ADJ | ON | 2008/09/02 16:18 |
| S25 | 1 | projection with pull same suture | JPO; DERWENT | ADJ | ON | 2008/09/02 16:20 |
| S28 | 277 | projection with (fabric or material or sheet) with (pull or load) | JPO; DERWENT | ADJ | ON | 2008/09/02 16:21 |
| S30 | 2 | projection with suture reinforcement material | US-PGPUB; USPAT | ADJ | ON | 2008/09/02 16:23 |
| S31 | 29 | projection with suture with guide | US-PGPUB; USPAT | ADJ | ON | 2008/09/02 16:23 |
| S32 | 18 | projection with suture with guide | USPAT | ADJ | ON | 2008/09/02 16:23 |
| S33 | 2 | supporting element and staple region | USPAT | ADJ | ON | 2008/09/02 16:25 |
| S34 | 100 | automatic stapling and (fabric or material or sheet) | USPAT | ADJ | ON | 2008/09/02 16:26 |
| S35 | 17 | S34 and projection | USPAT | ADJ | ON | 2008/09/02 16:26 |
| S36 | 15 | 112/22.ccls. | USPAT | ADJ | ON | 2008/09/02 16:28 |
| S37 | 0 | suture near\$2 stop\$3 | USPAT | ADJ | ON | 2008/09/02 16:30 |
| S38 | 439 | suture with stop\$3 | USPAT | ADJ | ON | 2008/09/02 16:30 |
| S42 | 12 | suture stop\$3 | USPAT | ADJ | ON | 2008/09/02 16:30 |

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|-----|-------|---|---------------------|-----|----|------------------|
| S44 | 1 | suture with stop\$3 with (unravel or unwind) | USPAT | ADJ | ON | 2008/09/02 16:36 |
| S45 | 3 | suture same stop\$3 same (unravel or unwind) | USPAT | ADJ | ON | 2008/09/02 16:37 |
| S46 | 18 | projection with (material or fabric or sheet) with ease | JPO; DERWENT | ADJ | ON | 2008/09/03 08:29 |
| S47 | 104 | projection with (material or fabric or sheet) with ease | USPAT; JPO; DERWENT | ADJ | ON | 2008/09/03 08:29 |
| S48 | 98 | projection with (material or fabric or sheet) with ease | USPAT; DERWENT | ADJ | ON | 2008/09/03 08:29 |
| S49 | 86 | projection with (material or fabric or sheet) with ease | USPAT | ADJ | ON | 2008/09/03 08:29 |
| S50 | 0 | projection with (material or fabric or sheet) with ease with (pull\$3 or attach\$3) | USPAT | ADJ | ON | 2008/09/03 08:31 |
| S51 | 2 | projection with (material or fabric or sheet) with ease with (pull\$3 or attach\$3) | USPAT | ADJ | ON | 2008/09/03 08:31 |
| S52 | 0 | projection with (material or fabric or sheet) with ease and "606.clas" | USPAT | ADJ | ON | 2008/09/03 08:32 |
| S53 | 86 | projection with (material or fabric or sheet) with ease | USPAT | ADJ | ON | 2008/09/03 08:33 |
| S54 | 37990 | "606".CLAS. | USPAT | ADJ | ON | 2008/09/03 08:34 |
| S55 | 2 | S53 and S54 | USPAT | ADJ | ON | 2008/09/03 08:34 |
| S56 | 20 | suture reinforcement | USPAT | ADJ | ON | 2008/09/03 08:35 |
| S57 | 4 | S56 and projection | USPAT | ADJ | ON | 2008/09/03 08:36 |
| S58 | 1 | "6273897".PN. and buttress | USPAT | ADJ | ON | 2008/09/03 08:42 |
| S59 | 46 | suture with unravel | USPAT | ADJ | ON | 2008/09/03 08:45 |
| S60 | 12 | suture with unravel\$3 with (stop\$3 or prevent \$3 or inhibit\$3) | USPAT | ADJ | ON | 2008/09/03 08:46 |

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|-----|--------|---|-----------------------|-----|----|---------------------|
| S61 | 269 | tubular with suture with (material or fabric or sheet) | US-PPGPUB; DERWENT | ADJ | ON | 2008/09/03 10:01 |
| S62 | 313 | tubular with suture with (material or fabric or sheet) | USPAT | ADJ | ON | 2008/09/03 10:02 |
| S63 | 0 | S62 and automatic device | USPAT | ADJ | ON | 2008/09/03 10:02 |
| S64 | 101 | S62 and stitch | USPAT | ADJ | ON | 2008/09/03 10:03 |
| S65 | 5 | S62 and 606/228.ccls. | USPAT | ADJ | ON | 2008/09/03 10:05 |
| S68 | 20 | suture reinforcement | USPAT | ADJ | ON | 2008/09/03 10:07 |
| S69 | 8 | S68 and tubular | USPAT | ADJ | ON | 2008/09/03 10:07 |
| S70 | 1 | "6063097".pn. | USPAT | ADJ | ON | 2008/09/03 10:17 |
| S71 | 1 | "5618290".pn. | USPAT | ADJ | ON | 2008/09/03 10:17 |
| S72 | 1 | "4839215".pn. | USPAT | ADJ | ON | 2008/09/03 10:17 |
| S79 | 998 | 606/139.ccls. | USPAT | ADJ | ON | 2008/09/03 13:13 |
| S80 | 1076 | "606/151".ccls. | USPAT | ADJ | ON | 2008/09/03 13:13 |
| S81 | 291 | "606/228".ccls. | USPAT | ADJ | ON | 2008/09/03 13:13 |
| S82 | 154121 | "428".clas. | USPAT | ADJ | ON | 2008/09/03 13:13 |
| S83 | 2 | "7083638" | USPAT | ADJ | ON | 2008/09/03 15:05 |
| S87 | 1 | "7083638".pn. | USPAT | ADJ | ON | 2008/09/03 15:08 |
| S88 | 1 | "6652561".pn. | USPAT | ADJ | ON | 2008/09/03 15:13 |
| S89 | 1 | S88 and unraveling | USPAT | ADJ | ON | 2008/09/03 15:14 |
| S90 | 1 | "20040122503" | USPAT | ADJ | ON | 2008/09/08 11:01 |
| S92 | 1 | "6652561".pn. | USPAT | ADJ | ON | 2009/02/02 16:57 |
| S93 | 5 | ("5766188" or "5814057" or "6551350" or "6652562" or "5441193").pn. | US-PPGPUB; USPAT | ADJ | ON | 2009/02/02 17:00 |

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|-----|-----|--|------------------------|-----|----|------------------|
| S94 | 8 | ({"4834090" "5397324").PN. OR ("5766188").URPN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/02 17:07 |
| S95 | 64 | ("3079606" "3490675" "3494533" "3499591" "4242902" "4299224" "4354628" "4383634" "4412539" "4508253" "4520817" "4522327" "4568009" "4573622" "4616650" "4624254" "4665916" "4728020" "4881544" "4881545" "4932960" "4955959" "5014899" "5040715" "5084057" "5100042" "5100420" "5116349" "5133738" "5156614" "5236629").PN. OR ("5441193").URPN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/02 17:08 |
| S96 | 348 | ("2638093" "3152618" "3174851" "3351463" "3479670" "3514791" "3562820" "3625198" "3657744" "3710777" "3753700" "3774596" "3866247" "3866609" "3868956" "3927422" "3938524" "3949073" "3953566" "3974526" "3993045" "4011861" "4047252" "4130904" "4140126" "4164045" "4187390" "4300244" "4306318" "4319363" "4355426" "4411655" "4424208" "4425908" "4488911" "4494531" "4502159" "4503569" "4512338" "4517687" "4530113" "4546500" "4553545" "4557764" "4562596" | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/02 17:09 |

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| "5728150" |
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| "5749825" |
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| "5755769" |
"5769882" | "5779732"

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| S98 | 8 | ("4834090" "5397324").PN. OR ("5766188").URPN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/04 13:28 |
| S99 | 30 | ("2723666" "4512342").PN. OR ("4834090").URPN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/04 13:29 |
| S100 | 6 | ("2712843" "4834090" "5312132" "5397324").PN. OR ("5843096").URPN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/04 13:31 |
| S101 | 25 | (suture near end near extend) with loop | US-PGPUB; USPAT; USOOR | ADJ | ON | 2009/02/04 13:34 |
| S102 | 1 | "6063097".pn. | US-PGPUB; USPAT | ADJ | ON | 2009/05/20 10:20 |
| S103 | 1 | "2259025".pn. | US-PGPUB; USPAT | ADJ | ON | 2009/05/20 14:39 |
| S105 | 2 | "11395718" | US-PGPUB; USPAT | ADJ | ON | 2009/05/21 09:10 |
| S108 | 74 | 112/438.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 16:31 |
| S109 | 4 | 112/438.ccls. and lock | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 16:47 |
| S113 | 2 | "60".clas. and chain stitch | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 16:48 |

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|------|-----|---|-----------------|-----|----|------------------|
| S116 | 6 | (chain stitch) with prevent with unravel\$4 | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 16:52 |
| S117 | 84 | stitch with prevent with unravel\$4 | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 16:54 |
| S118 | 0 | (chain stitch) with ((back loop) or ((loop back)) with unravel\$4 | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:18 |
| S119 | 271 | (chain stitch) with lock \$4 | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:18 |
| S120 | 0 | (intraloop\$3 stitch\$3) with prevent with unravel | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:21 |
| S121 | 0 | (intraloop\$3 stitch\$3) with unravel | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:21 |
| S122 | 2 | (intraloop\$3 stitch\$3) | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:21 |
| S123 | 108 | chain stitch and ((last or final or distal) with loop) | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:24 |
| S124 | 7 | 112/438.ccls. and ((last or final or end) near (stitch or loop)) | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:30 |
| S125 | 12 | chain stitch with ((last or final) stitch) | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:38 |
| S126 | 25 | lock with ((last or final) stitch) | US-PGPUB; USPAT | ADJ | ON | 2009/12/07 17:41 |
| S127 | 83 | 66/158.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 08:59 |
| S128 | 3 | "87".clas. and chain stitch | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:01 |
| S130 | 224 | 112/11.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:04 |
| S131 | 167 | 112/10.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:04 |
| S132 | 0 | (S131 or S130) and unravel | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:05 |
| S133 | 3 | (S131 or S130) and unravel\$4 | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:05 |
| S134 | 0 | (S131 or S130) and ((last or final) stitch) | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:07 |
| S135 | 1 | (S131 or S130) and ((last or final) near stitch) | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:07 |
| S136 | 2 | chain stitch and (back stitch with unravel\$4) | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:08 |
| S137 | 74 | 112/438.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:18 |

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| S141 | 1 | S137 and ((last or final or end) (stitch or loop)) | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:23 |
| S142 | 1 | S137 and ((last or final or end) near (stitch or loop)) | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:23 |
| S143 | 18 | chain stitch with ((last or final or end) near (stitch or loop)) | US-PGPUB; USPAT | ADJ | ON | 2009/12/08 09:24 |
| S144 | 25 | ("3527650" "5296292" "5476589" "5801319" "5873906" "5883319" "5907113" "5919225" "5961440" "6015429" "6045497" "6050936" "6248942" "6261222" "6302891" "6315792" "6352561" "6616684" "6673105" "RE38091").PN. OR ("6984242").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/08 09:28 |
| S145 | 11 | (suture or stitch) with packag\$4 with unravel \$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/08 10:00 |
| S146 | 5 | (chain stitch) with packag\$4 with unravel \$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/08 10:03 |
| S147 | 13 | (chain stitch) with packag\$4 | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/12/08 10:04 |
| S148 | 2 | sew with unravel | US-PGPUB; USPAT | ADJ | ON | 2010/06/11 13:22 |
| S149 | 761 | sew\$3 and ((prevent\$4 or stop\$4) with unravel \$4) | US-PGPUB; USPAT | ADJ | ON | 2010/06/11 13:23 |
| S150 | 37 | sew\$3 and ((prevent\$4 or stop\$4) with unravel \$4 with loop\$4) | US-PGPUB; USPAT | ADJ | ON | 2010/06/14 09:08 |
| S151 | 11 | (chain stitch or lock stitch) with loop\$4 with unravel\$3 | US-PGPUB; USPAT | ADJ | ON | 2010/06/14 09:31 |
| S153 | 11 | ("4338970" "4602763" "4761872" "4878653").PN. OR ("5016859").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2010/06/14 09:43 |

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|------|-----|---|------------------------|-----|----|------------------|
| S154 | 19 | ("1809103" "2282200" "3030003" "3747743" "4241865" "4441582" "4509280" "5236121" "5515800" "5518313" "5722336" "6129264" "6159423" "6167825" "6332418" "6371307").PN. | US-PGPUB; USPAT; USOOR | ADJ | ON | 2010/06/14 09:45 |
| S155 | 8 | ("3030003").URPN. | USPAT | ADJ | ON | 2010/06/14 09:49 |
| S161 | 7 | 383/79.ccls. and unravel\$3 | US-PGPUB; USPAT | ADJ | ON | 2010/06/14 09:51 |
| S162 | 106 | 383/79.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/06/14 10:05 |
| S163 | 214 | 383/92.ccls. | US-PGPUB; USPAT | ADJ | ON | 2010/06/15 08:25 |

6/ 15/ 2010 3:16:30 PM

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